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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/018,622	03/12/2002	George B. Rockstein	METLOG-005	4991
530	7590	02/17/2005	EXAMINER	
LERNER, DAVID, LITTENBERG, KRUMLHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090			KIM, AHSHIK	
			ART UNIT	PAPER NUMBER
			2876	

DATE MAILED: 02/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/018,622	ROCKSTEIN ET AL.	

  

<b>Examiner</b>	<b>Art Unit</b>	
Ahshik Kim	2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 1/31/05 (Response).
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 3-5,7-10 and 12-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 3,4,7,8,10,12,14-16,18 and 19 is/are rejected.
- 7) Claim(s) 5,9,13 and 17 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 18 December 2001 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | Paper No(s)/Mail Date. _____.   |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____.                                   |

**DETAILED ACTION**

***Response***

1. Receipt is acknowledged of the response filed on January 31, 2005. No claims were  
5 canceled, amended or newly added. Currently, claims 3-5, 7-10, and 12-19 remain for  
examination.

***Claim Rejections - 35 USC § 102***

- 10 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the  
basis for the rejections under this section made in this Office action:
- A person shall be entitled to a patent unless –  
15 (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed  
in the United States before the invention by the applicant for patent or (2) a patent granted on an application for  
patent by another filed in the United States before the invention by the applicant for patent, except that an  
international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this  
subsection of an application filed in the United States only if the international application designated the United  
States and was published under Article 21(2) of such treaty in the English language.  
20 3. Claims 3, 4, 7, 8, 10, 12, 14-16, 18 and 19 are rejected under 35 U.S.C. 102(e) as being  
anticipated by Tsi et al. (US 6,213,399, hereinafter “Tsi”).

Re claims 3, 4, 7, 10, 12, 14-16, 18, and 19, Tsi teaches a multi-channel scanner  
comprising a plurality of input channels (see figures 4, 6, and 9; see abstract; col. 4, lines 7+).  
As illustrated in figure 9, detectors D1 and D2 will produce respective signals, which are  
25 digitized by digitizers and fed into a common decoding unit 47 (col. 10, line 41 – col. 11, line  
34).

Re claim 8, each channel includes signal conditioners 137, 133, and digitizers 138 and 134 (see figure 9).

***Allowable Subject Matter***

- 5     4.     Claims 5, 9, 13, and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 10     5.     The following is a statement of reasons for the indication of allowable subject matter: the claims are directed an optical reader comprising a plurality of channels. The claims also recite the method of scanning objects with a plurality of photodetectors associated with respective channels. As indicated in paragraph 3 above, a barcode scanner comprising a plurality of channels is known in the art. However, the cited references, taken alone or in combinations, fail to suggest or teach an optical reader comprising a plurality of channels wherein collected 15 information from a plurality of channels are provided in alternating sequence, or use of FIFO buffer as set forth in the claims.

***Response to Arguments***

- 20     6.     Applicant's remarks filed on January 31, 2005 have been carefully considered, but it the Examiner's view that the Tsi patent recites the subject matter, which Applicant argues, deems to be patentable over the Tsi patent.

First, Applicant argues (see Response 3<sup>rd</sup> paragraphs thereafter) that the Tsi patent fails to disclose "data element including data denoting a transition as mark-to-space or space-to-mark",

which is recited in claims 7 and 15. Throughout the Tsi patent, “edge detector” or “edge detecting” is numerously mentioned. Edge detection, to one ordinary skill in the art, is a transition from white space to black (or other colors) bar or from the bar to space. In other words, transition, edge detection and transition as mark-to-space or space-to-mark are the  
5 identical processes.

Second, Applicant argues that the Tsi patent does not disclose a plurality of input channels wherein at least one of said channel is partially-active channel having active and inactive intervals”

In one of Tsi embodiment (col. 9, lines 55+), the LEDs are activated in alternate manner.  
10 Considering broadly that LED’s are part of a channel, Tsi discloses “at least one of said channel is partially-active channel having active and inactive intervals”

Applicants’ argument have been fully considered, but they are not persuasive, and therefore, the Examiner has made this Office Action final.

15

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the  
20 mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be

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calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ahshik Kim whose telephone number is (571)272-2393. The examiner can normally be reached between the hours of 6:00AM to 3:00PM Monday thru Friday. The fax number directly to the Examiner is (571)273-2393.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (571)272-2398. The fax phone number for this Group is (703)872-9306.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [ahshik.kim@uspto.gov].

*All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.*

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.



Ahshik Kim  
Patent Examiner  
Art Unit 2876  
February 11, 2005